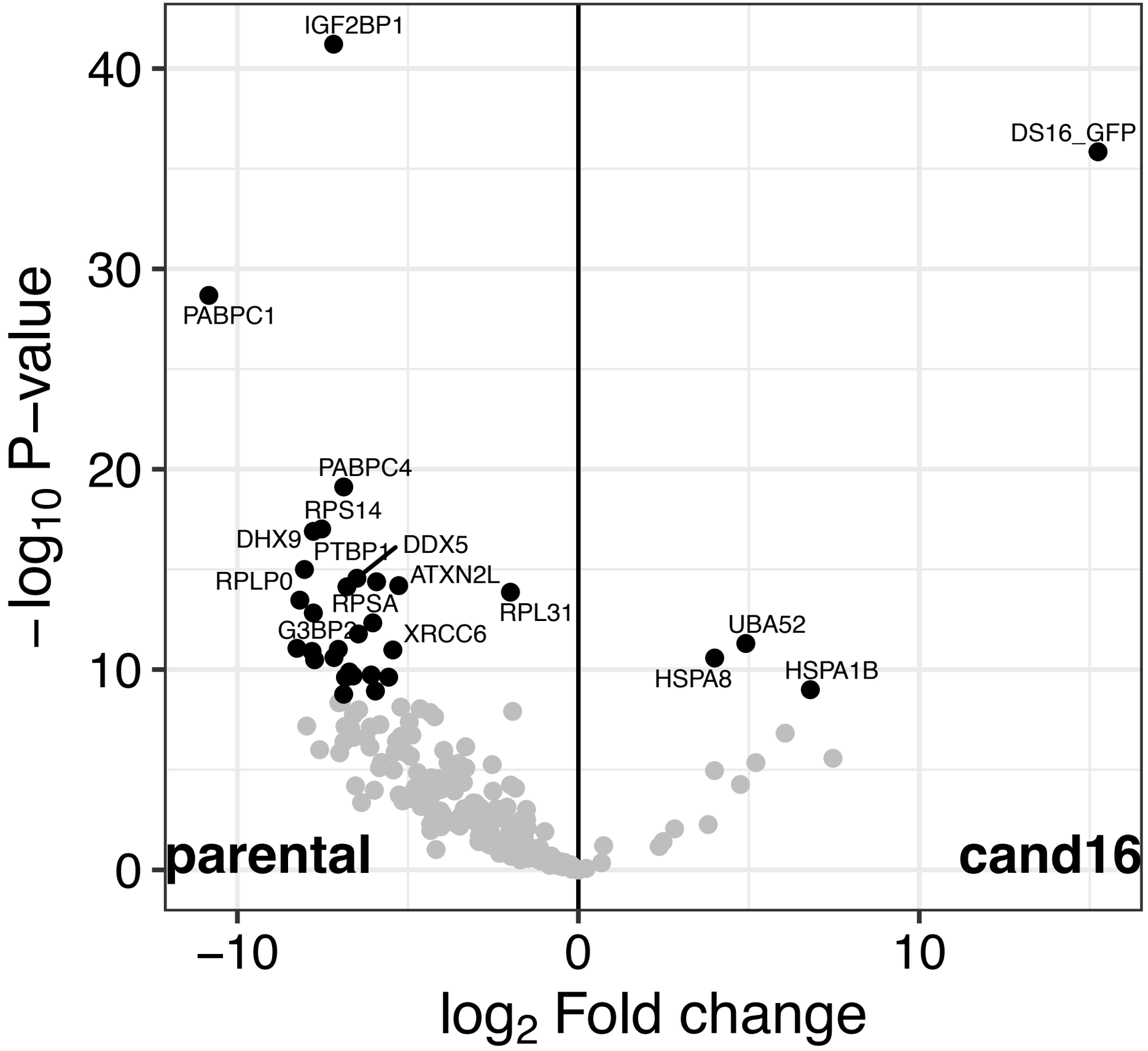
Fig 2F


IGF2BP1
DS16_GFP
PABPC1
PABPC4
RPS14
DHX9
PTBP1
DDX5
RPLP0
ATXN2L
RPSA
RPL31
G3BP2
XRCC6
UBA52
HSPA8
HSPA1B
parental
cand16
40
30
20
10
0
−10
0
10
$-\log_{10}$ P−value
$\log_2$ Fold change

SFig 4C

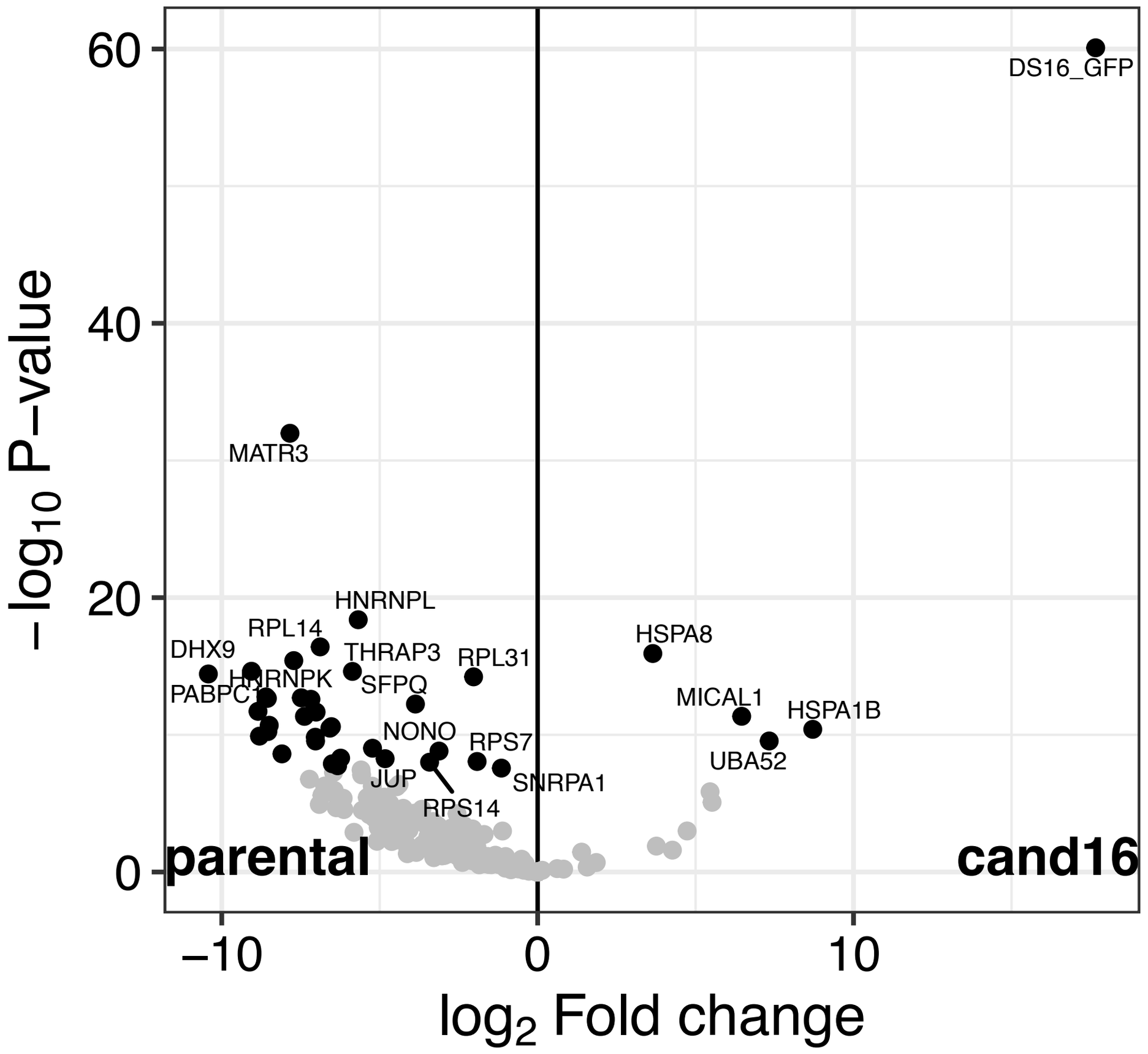

60
40
20
0
−10
0
10
DS16_GFP
MATR3
HNRNPL
RPL14
DHX9
THRAP3
RPL31
HSPA8
HNRNPK
SFPQ
PABPC1
MICAL1
HSPA1B
NONO
RPS7
UBA52
JUP
SNRPA1
RPS14
parental
cand16
$-\log_{10}$ P−value
$\log_2$ Fold change

Fig 3A

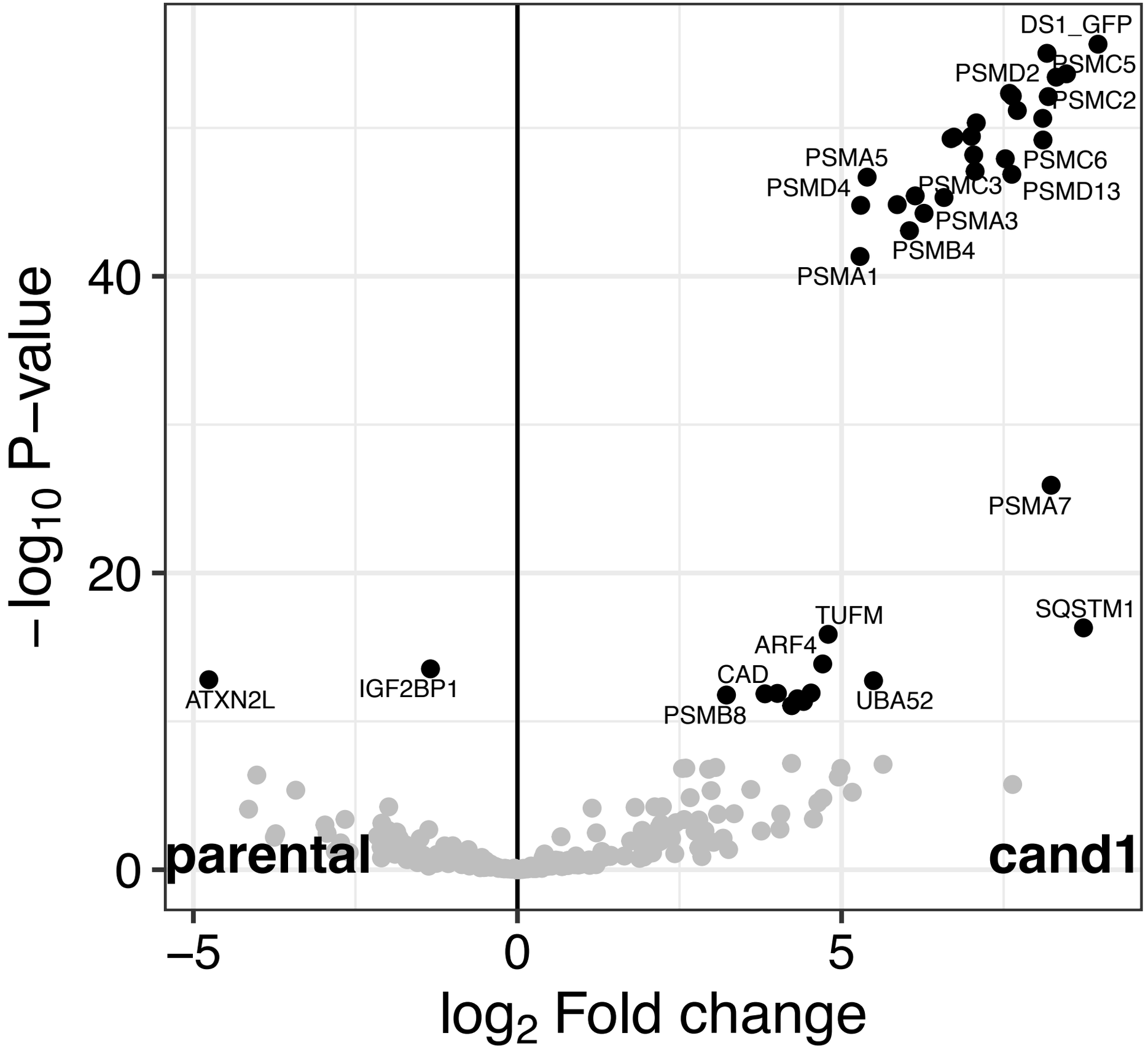

DS1_GFP
PSMC5
PSMD2
PSMC2
PSMA5
PSMC6
PSMD4
PSMC3
PSMD13
PSMA3
PSMB4
PSMA1
PSMA7
SQSTM1
TUFM
ARF4
CAD
IGF2BP1
ATXN2L
UBA52
PSMB8
parental
cand1
40
20
0
−5
0
5
$-\log_{10}$ P−value
$\log_2$ Fold change

Fig 3B

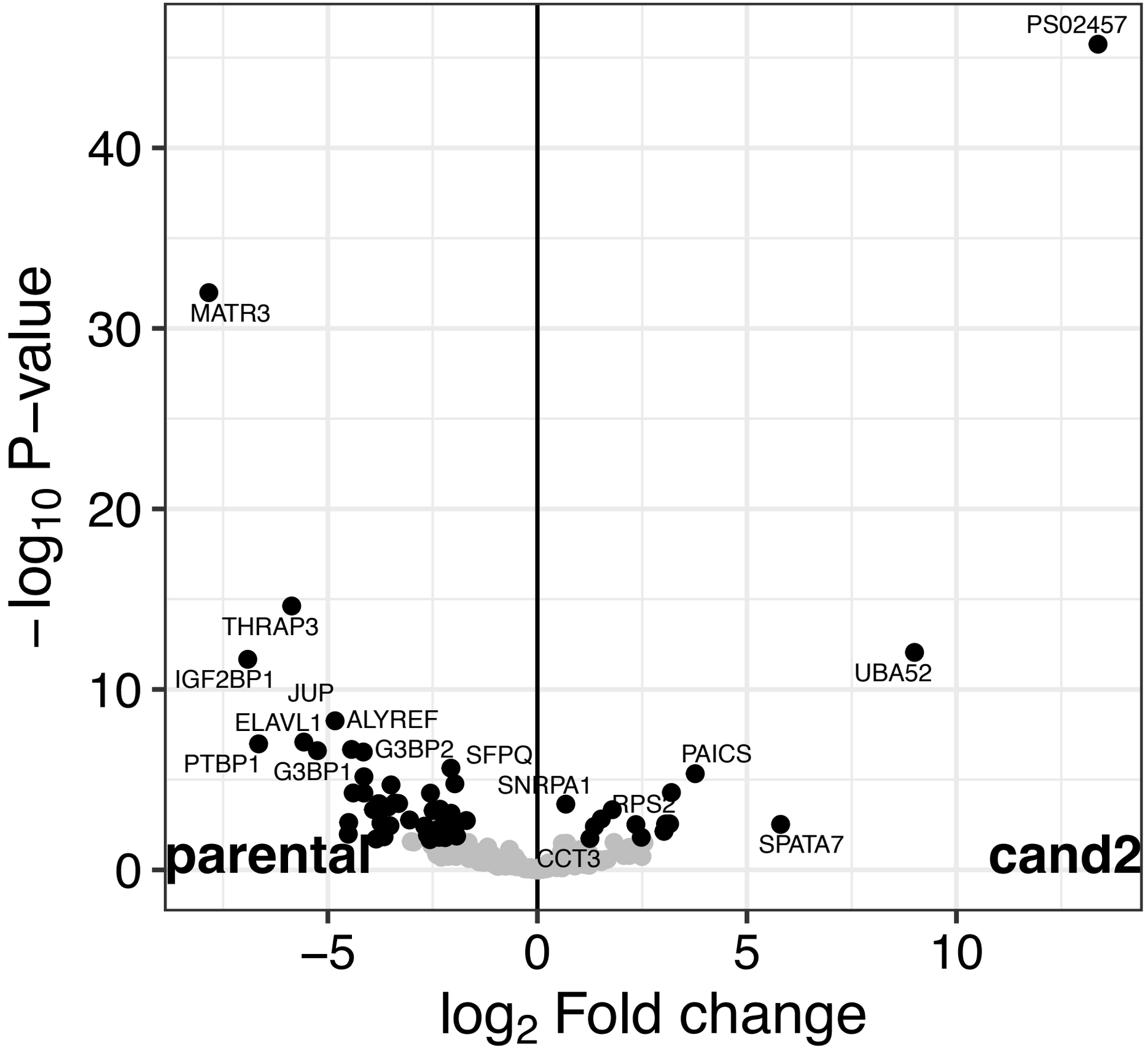

PS02457
MATR3
THRAP3
IGF2BP1
JUP
ELAVL1
ALYREF
PTBP1
G3BP1
G3BP2
SFPQ
SNRPA1
CCT3
RPS2
PAICS
SPATA7
UBA52
parental
cand2
40
30
20
10
0
−5
0
5
10
− log10 P−value
log2 Fold change

Fig 3C

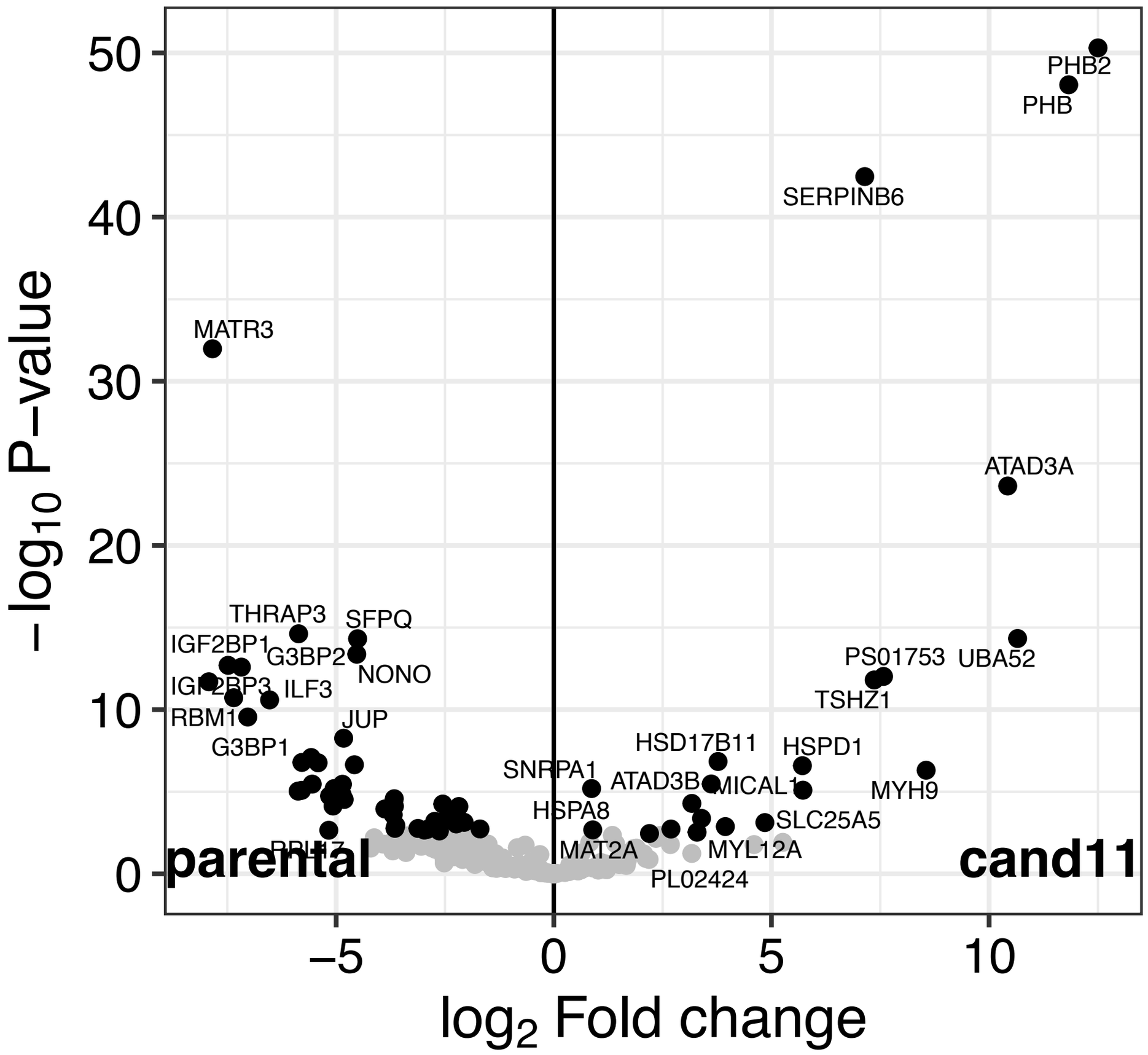

50
40
30
20
10
0
−5
0
5
10
$-\log_{10}$ P−value
$\log_2$ Fold change
PHB2
PHB
SERPINB6
MATR3
ATAD3A
THRAP3
SFPQ
IGF2BP1
G3BP2
NONO
IGF2BP3
ILF3
RBM1
JUP
G3BP1
PS01753
UBA52
TSHZ1
HSD17B11
HSPD1
SNRPA1
ATAD3B
MICAL1
MYH9
HSPA8
SLC25A5
MAT2A
MYL12A
PL02424
parental
cand11

Fig 3D

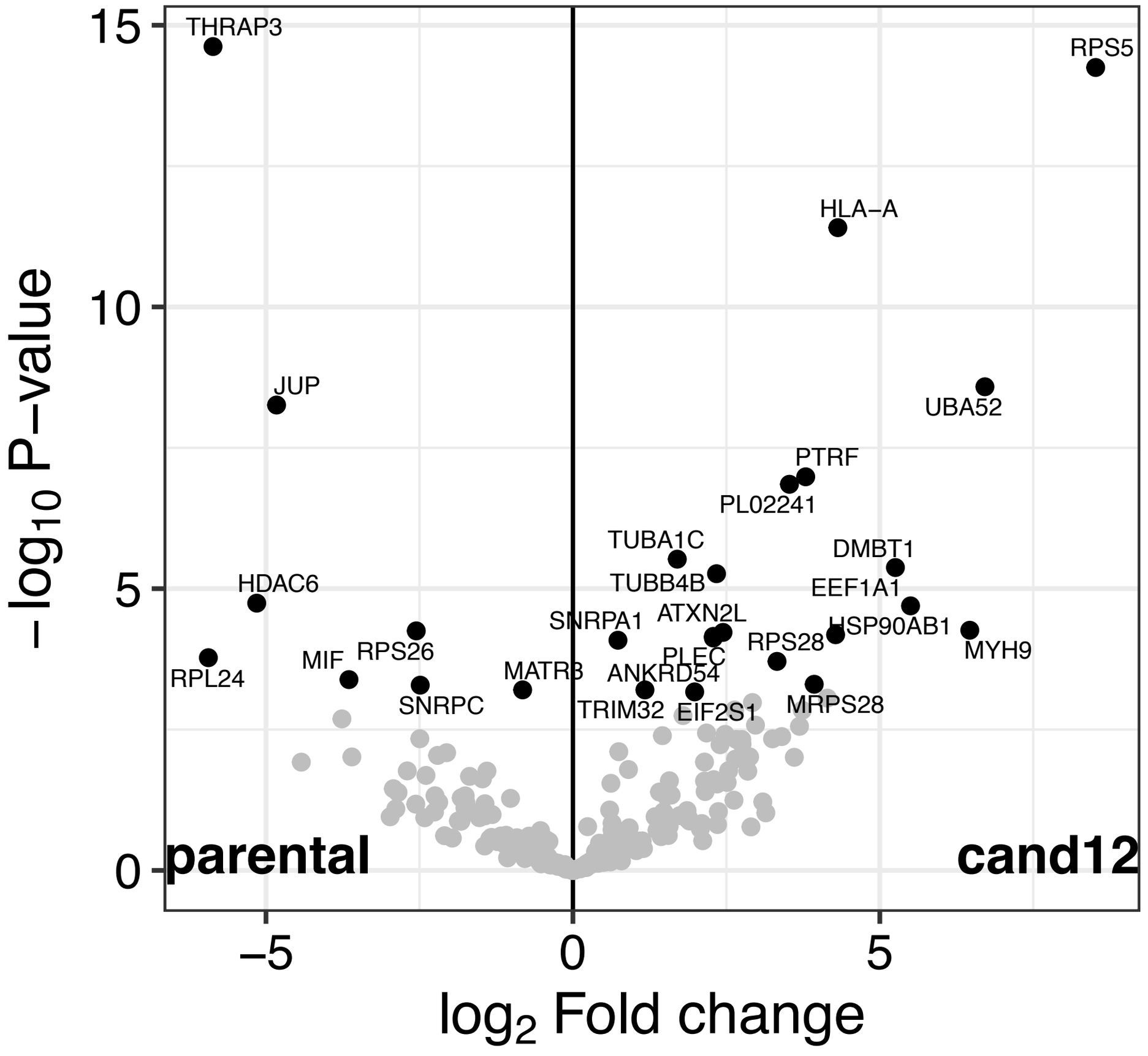

15
10
5
0
−5
0
5
THRAP3
RPS5
HLA−A
JUP
UBA52
PTRF
PL02241
TUBA1C
DMBT1
TUBB4B
EEF1A1
HDAC6
ATXN2L
SNRPA1
HSP90AB1
RPS28
MYH9
MIF
RPS26
PLEC
RPL24
MATR3
ANKRD54
SNRPC
TRIM32
EIF2S1
MRPS28
parental
cand12
− log10 P−value
log2 Fold change

Fig 3E

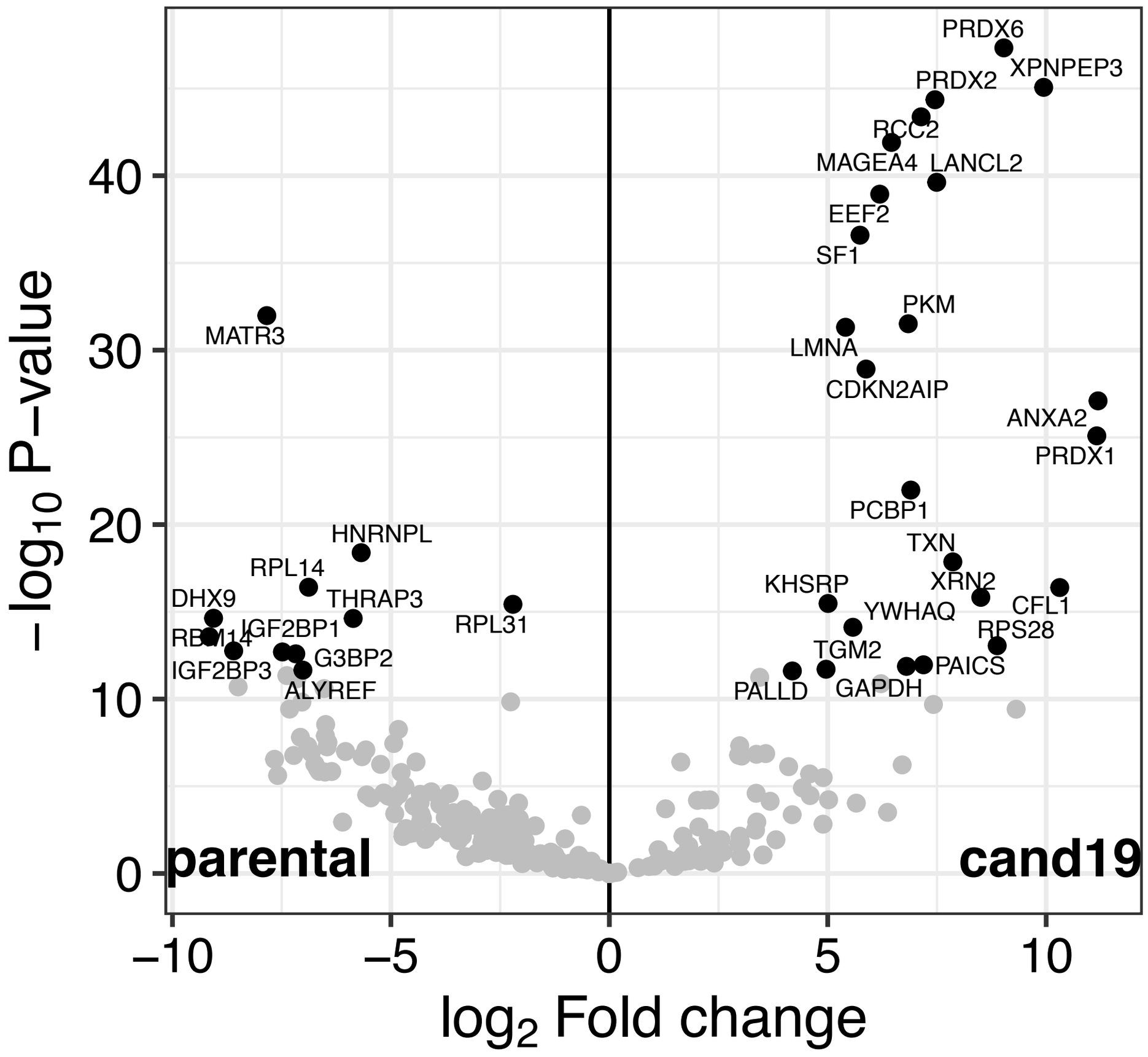
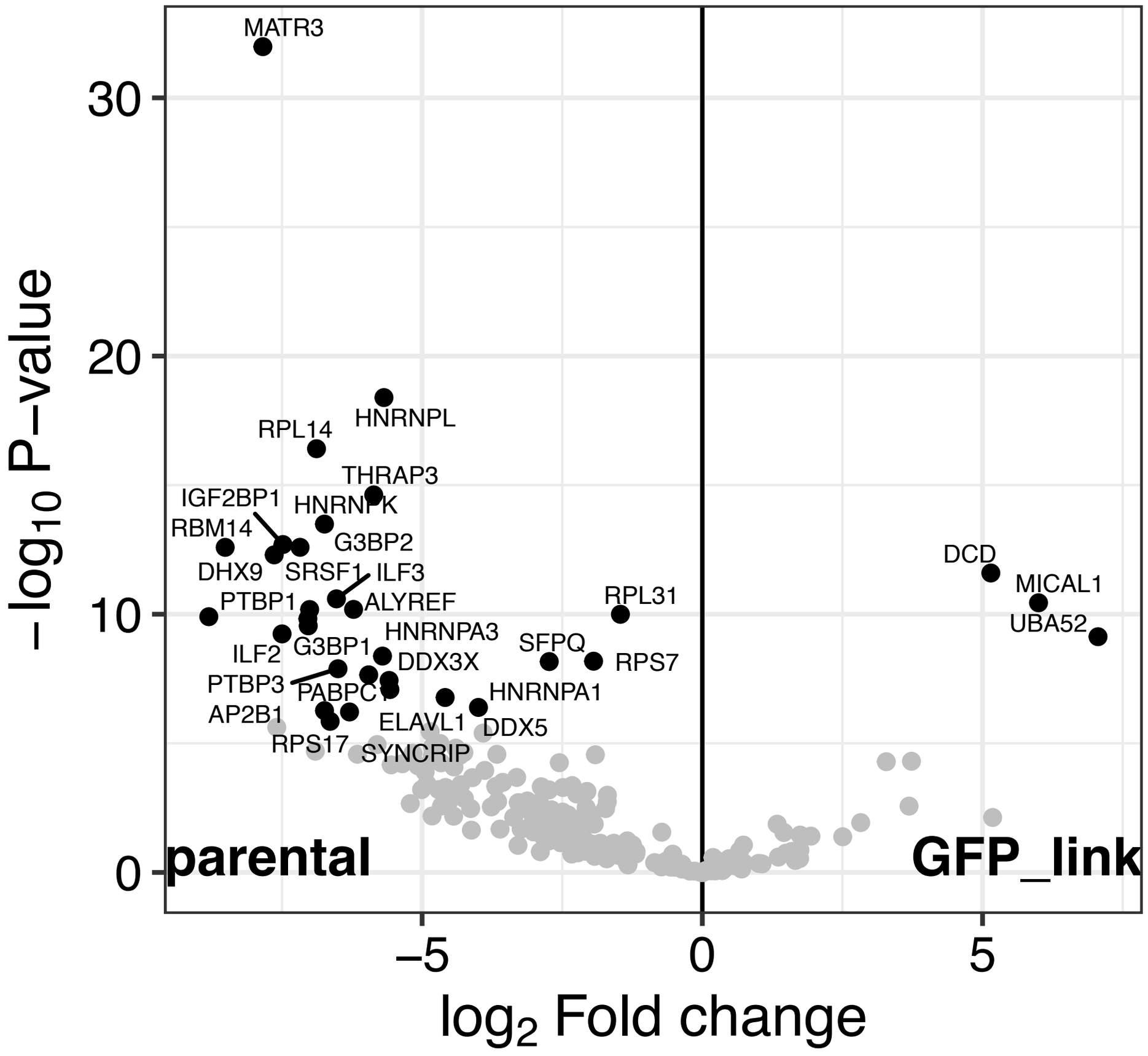
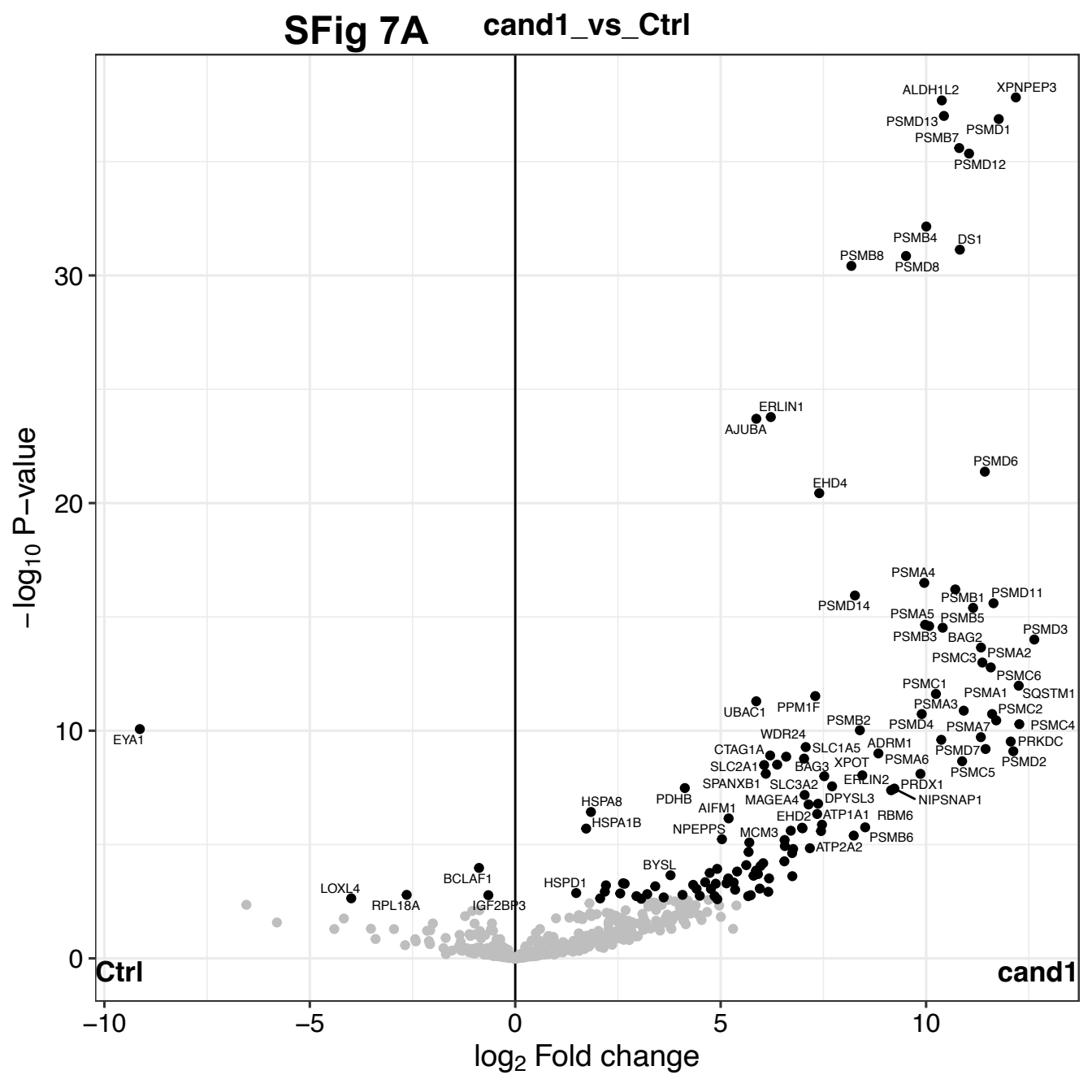
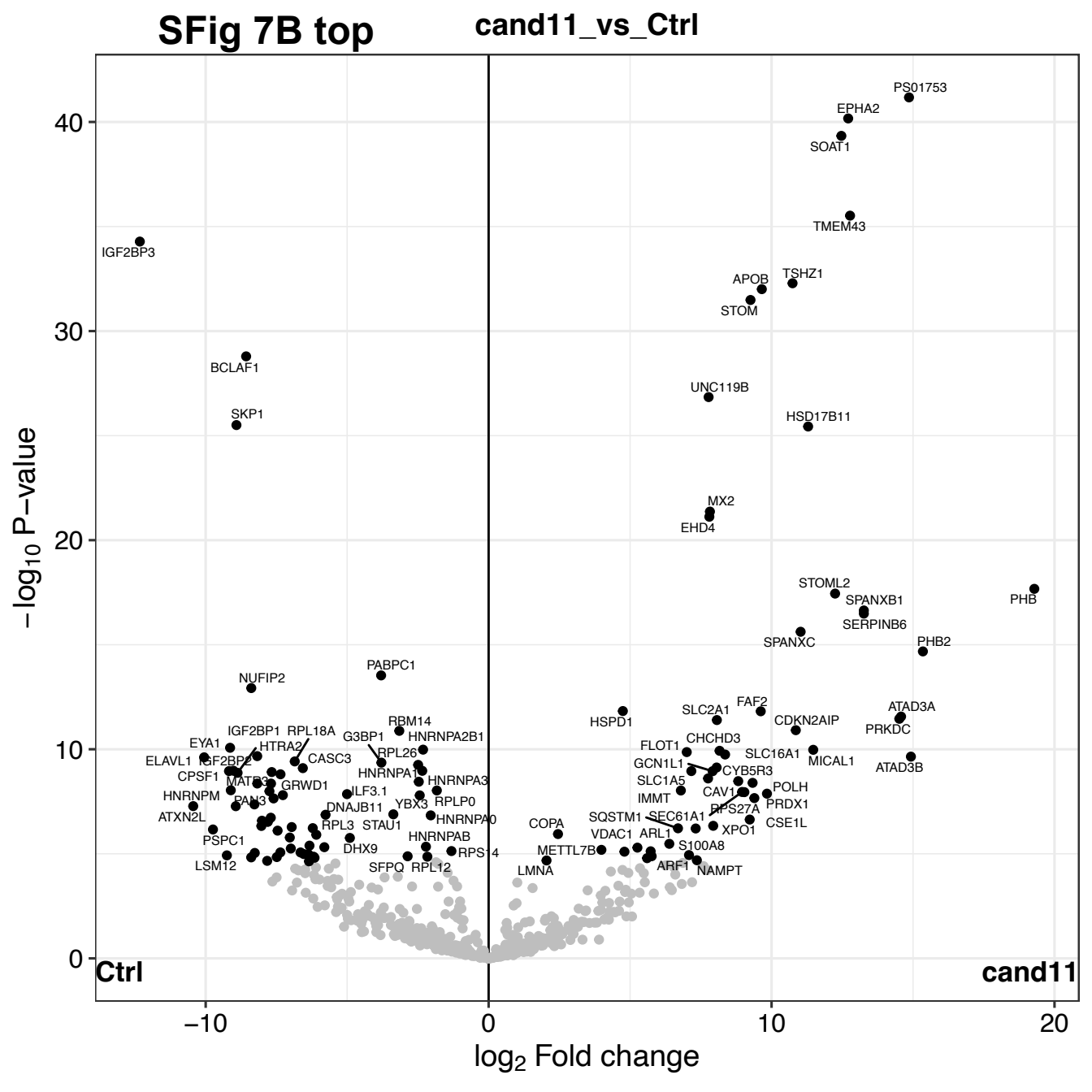

PRDX6
XPNPEP3
PRDX2
RCC2
MAGEA4
LANCL2
EEF2
SF1
PKM
MATR3
LMNA
CDKN2AIP
ANXA2
PRDX1
PCBP1
HNRNPL
TXN
RPL14
KHSRP
XRN2
CFL1
DHX9
THRAP3
YWHAQ
RPL31
IGF2BP1
RPS28
TGM2
G3BP2
PAICS
IGF2BP3
ALYREF
PALLD
GAPDH
parental
cand19
40
30
20
10
0
−10
−5
0
5
10
$-\log_{10}$ P−value
$\log_2$ Fold change

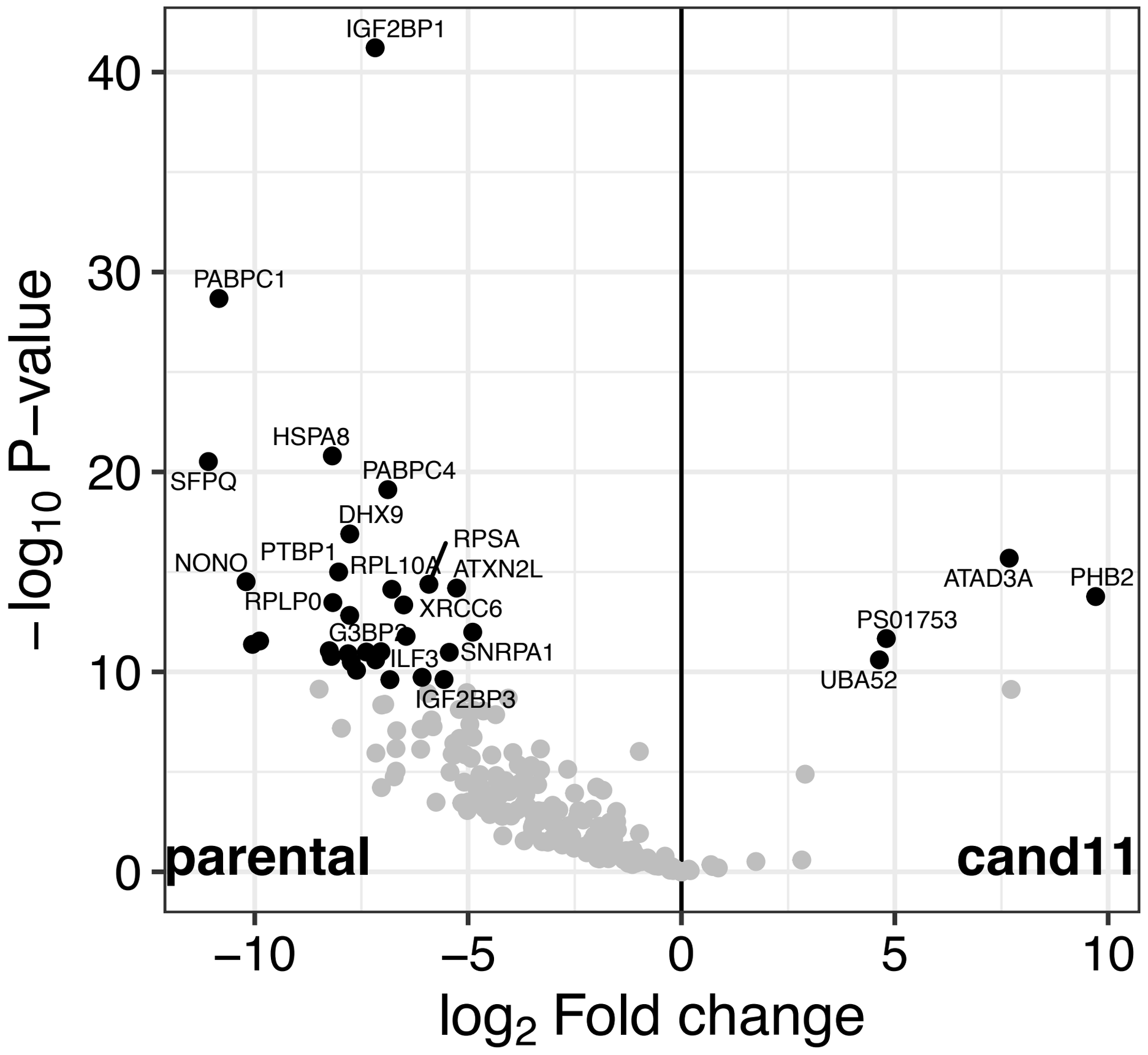
Fig 3F

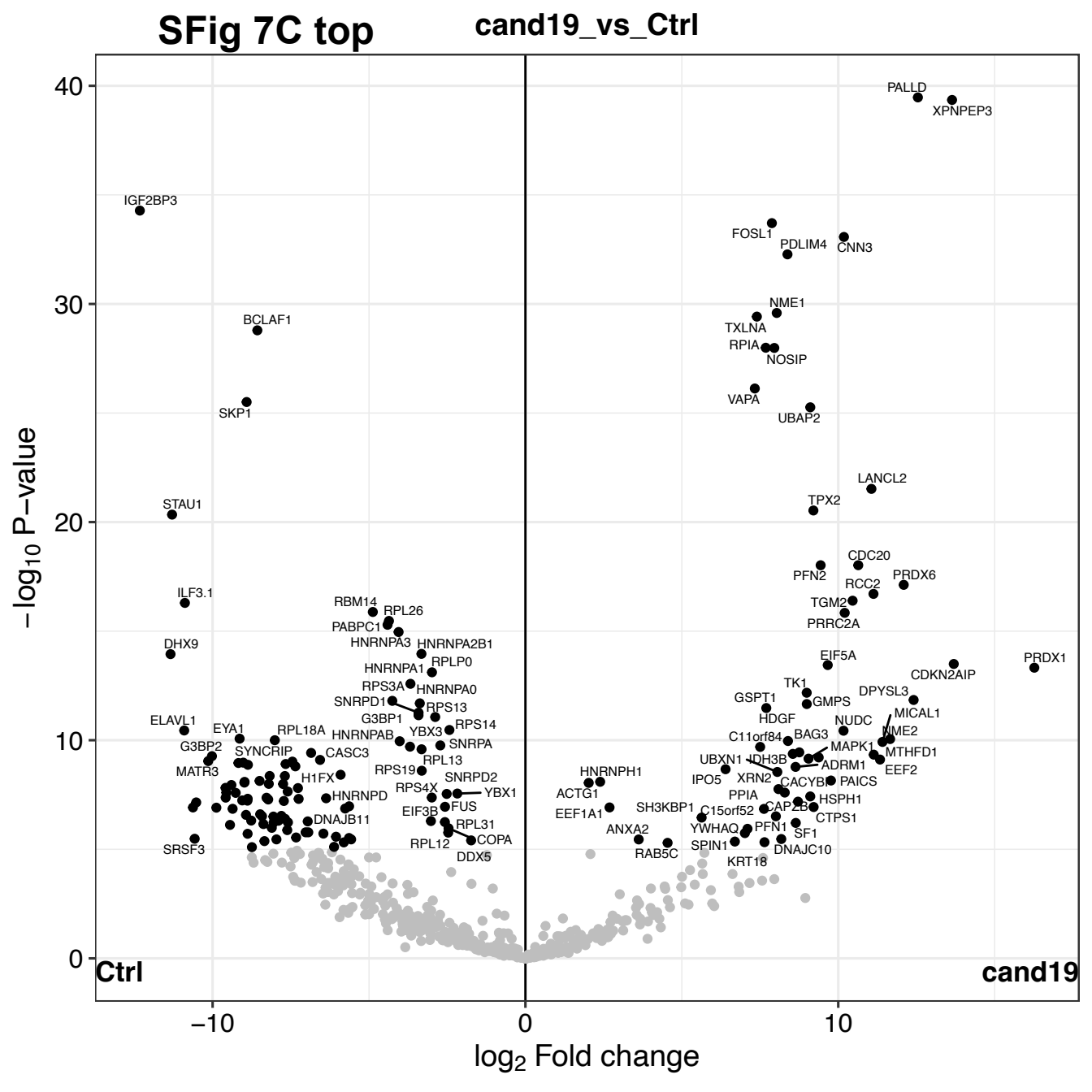

MATR3
HNRNPL
RPL14
THRAP3
IGF2BP1
HNRNPK
RBM14
G3BP2
DHX9
SRSF1
ILF3
PTBP1
ALYREF
HNRNPA3
ILF2
G3BP1
DDX3X
PTBP3
PABPC1
HNRNPA1
AP2B1
ELAVL1
DDX5
RPS17
SYNCRIP
RPL31
SFPQ
RPS7
DCD
MICAL1
UBA52
parental
GFP_link
30
20
10
0
−5
0
5
−log10 P−value
log2 Fold change


SFig 7A
cand1_vs_Ctrl
ALDH1L2
XPNPEP3
PSMD13
PSMD1
PSMB7
PSMD12
PSMB4
DS1
PSMB8
PSMD8
ERLIN1
AJUBA
PSMD6
EHD4
PSMA4
PSMB1
PSMD11
PSMD14
PSMA5
PSMB5
PSMB3
BAG2
PSMD3
PSMA2
PSMC3
PSMC6
PSMC1
PSMA1
SQSTM1
PSMA3
PSMC2
UBAC1
PPM1F
PSMB2
PSMD4
PSMA7
PSMC4
EYA1
WDR24
PRKDC
CTAG1A
SLC1A5
ADRM1
PSMD7
PSMD2
SLC2A1
BAG3
XPOT
PSMA6
PSMC5
SPANXB1
SLC3A2
ERLIN2
PRDX1
NIPSNAP1
HSPA8
PDHB
MAGEA4
DPYSL3
AIFM1
EHD2
ATP1A1
RBM6
HSPA1B
NPEPPS
MCM3
PSMB6
ATP2A2
BYSL
BCLAF1
HSPD1
LOXL4
RPL18A
IGF2BP3
Ctrl
cand1
−log10 P−value
log2 Fold change
30
20
10
0
−10
−5
0
5
10

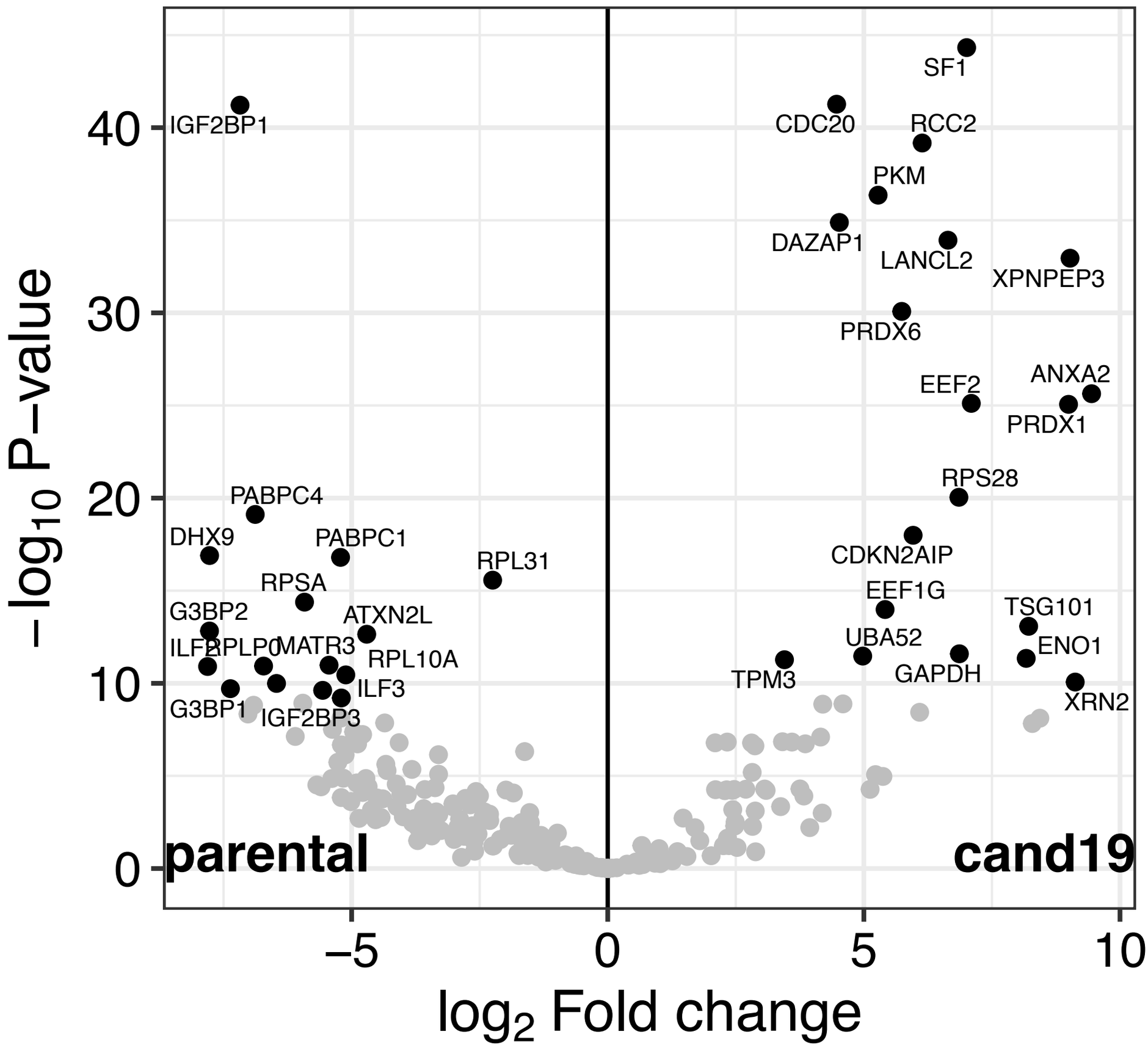

SFig 7B top
cand11_vs_Ctrl
PS01753
EPHA2
SOAT1
TMEM43
IGF2BP3
APOB
TSHZ1
STOM
BCLAF1
UNC119B
SKP1
HSD17B11
MX2
EHD4
STOML2
SPANXB1
PHB
SERPINB6
SPANXC
PHB2
PABPC1
NUFIP2
HSPD1
SLC2A1
FAF2
ATAD3A
CDKN2AIP
PRKDC
RBM14
IGF2BP1
RPL18A
G3BP1
HNRNPA2B1
EYA1
HTRA2
FLOT1
CHCHD3
SLC16A1
MICAL1
ATAD3B
ELAVL1
IGF2BP2
CASC3
RPL26
GCN1L1
CYB5R3
HNRNPA1
CPSF1
MATR3
HNRNPA3
SLC1A5
POLH
GRWD1
ILF3.1
CAV1
HNRNPM
PAN3
YBX3
RPLP0
IMMT
PRDX1
DNAJB11
RPS27A
ATXN2L
HNRNPA0
SQSTM1
SEC61A1
CSE1L
COPA
RPL3
STAU1
VDAC1
ARL1
XPO1
PSPC1
HNRNPAB
DHX9
METTL7B
S100A8
RPS14
LSM12
SFPQ
RPL12
LMNA
ARF1
NAMPT
Ctrl
cand11
40
30
20
10
0
−10
0
10
20
−log10 P−value
log2 Fold change

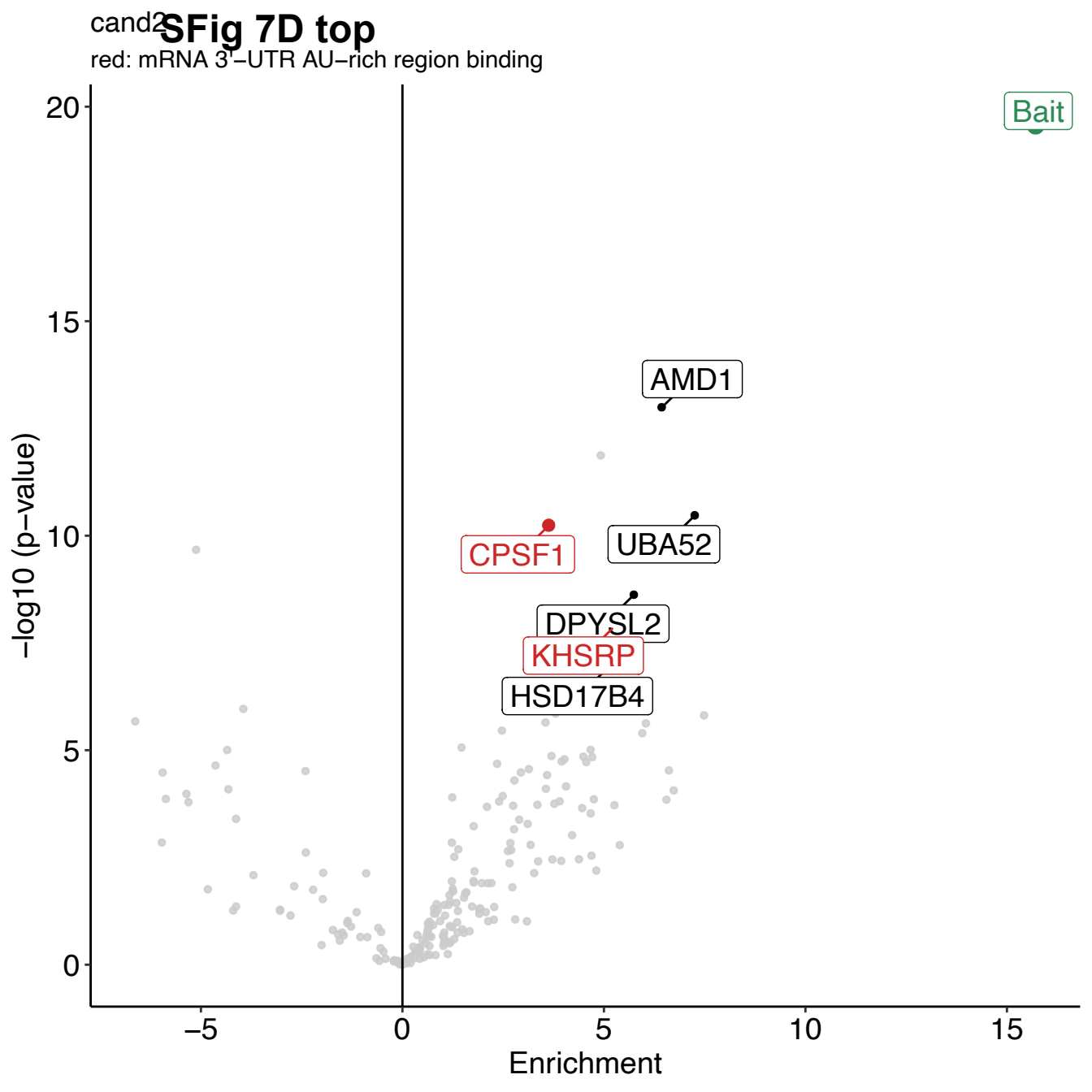
SFig 7B bottom



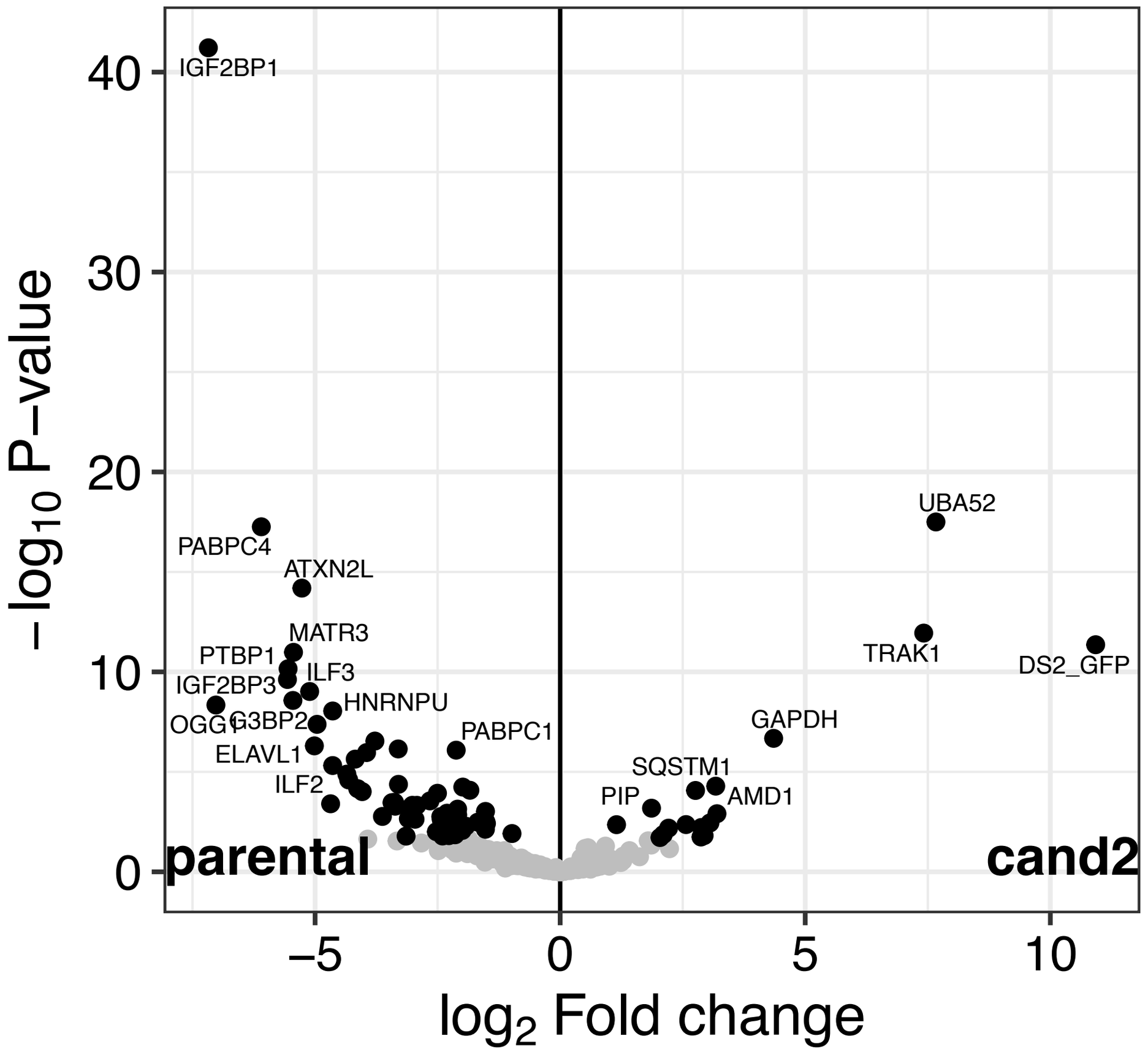

SFig 7C top
cand19_vs_Ctrl
PALLD
XPNPEP3
IGF2BP3
FOSL1
PDLIM4
CNN3
NME1
BCLAF1
TXLNA
RPIA
NOSIP
SKP1
VAPA
UBAP2
LANCL2
STAU1
TPX2
CDC20
PFN2
PRDX6
RCC2
ILF3.1
TGM2
RBM14
RPL26
PRRC2A
PABPC1
HNRNPA3
HNRNPA2B1
DHX9
EIF5A
PRDX1
RPLP0
CDKN2AIP
HNRNPA1
TK1
RPS3A
HNRNPA0
DPYSL3
GSPT1
SNRPD1
RPS13
GMPS
MICAL1
ELAVL1
G3BP1
HDGF
NUDC
EYA1
RPL18A
RPS14
C11orf84
BAG3
ME2
HNRNPAB
YBX3
G3BP2
SYNCRIP
SNRPA
MAPK1
MTHFD1
CASC3
RPL13
UBXN1
IDH3B
ADRM1
MATR3
RPS19
HNRNPH1
EEF2
H1FX
SNRPD2
IPO5
XRN2
CACYB
PAICS
RPS4X
YBX1
ACTG1
PPIA
HNRNPD
EIF3B
FUS
SH3KBP1
C15orf52
CAPZB
HSPH1
EEF1A1
DNAJB11
RPL31
CTPS1
ANXA2
YWHAQ
PFN1
SF1
COPA
RPL12
RAB5C
SPIN1
DNAJC10
SRSF3
DDX5
KRT18
Ctrl
cand19
40
30
20
10
0
−10
0
10
−log10 P−value
log2 Fold change

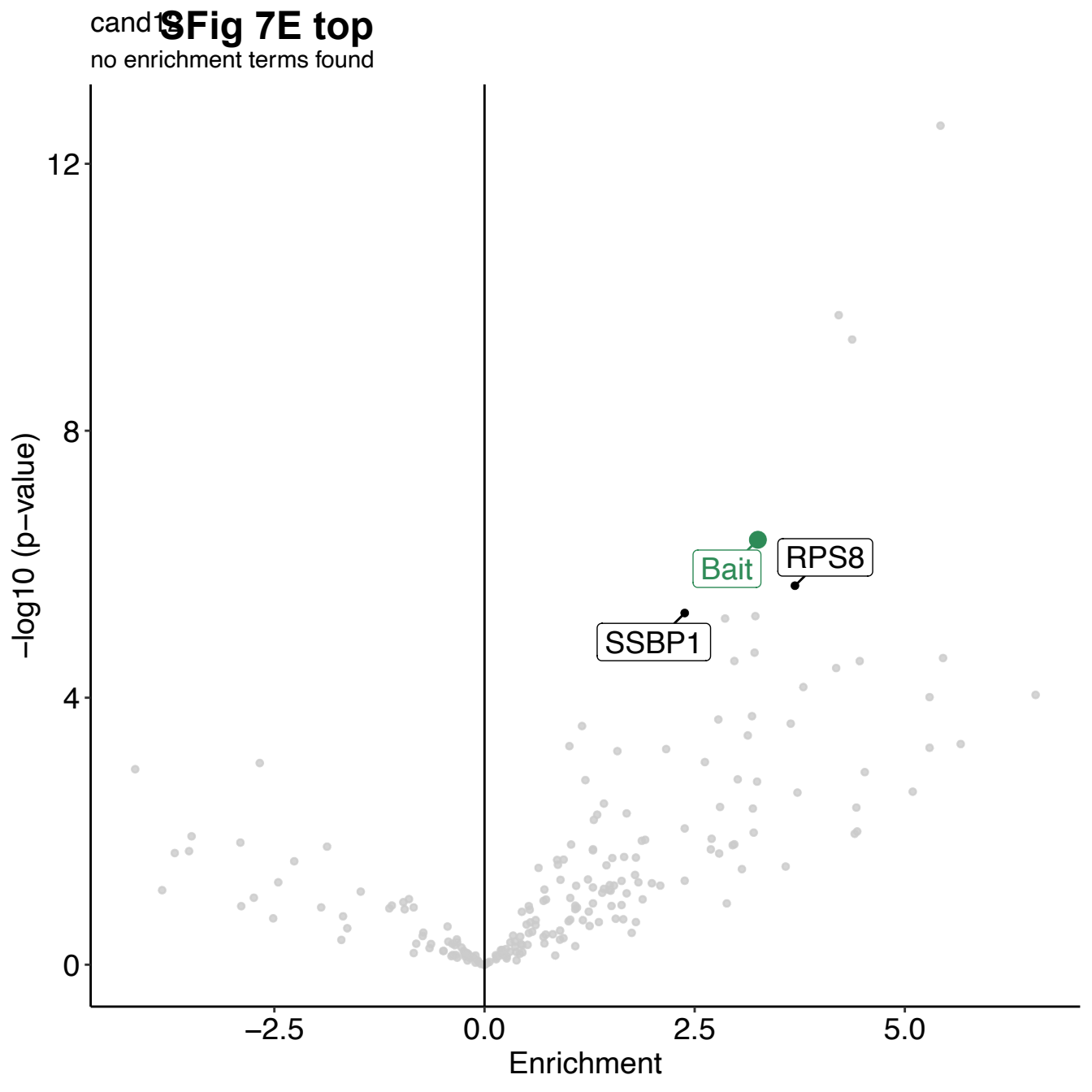
SFig 7C bottom



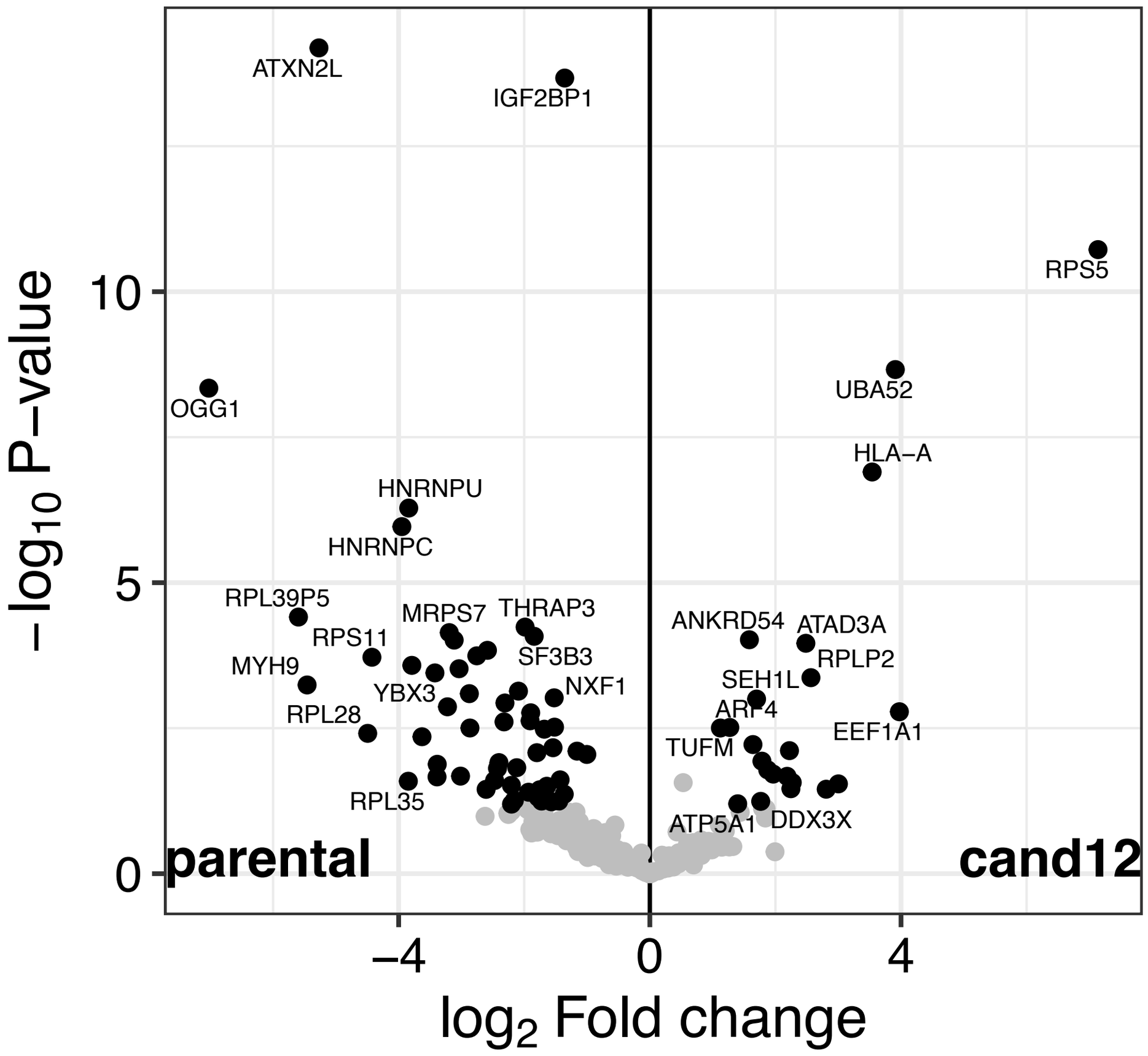

cand2
SFig 7D top
red: mRNA 3'−UTR AU−rich region binding
Bait
AMD1
CPSF1
UBA52
DPYSL2
KHSRP
HSD17B4
20
15
10
5
0
−log10 (p−value)
−5
0
5
10
15
Enrichment

SFig 7D bottom

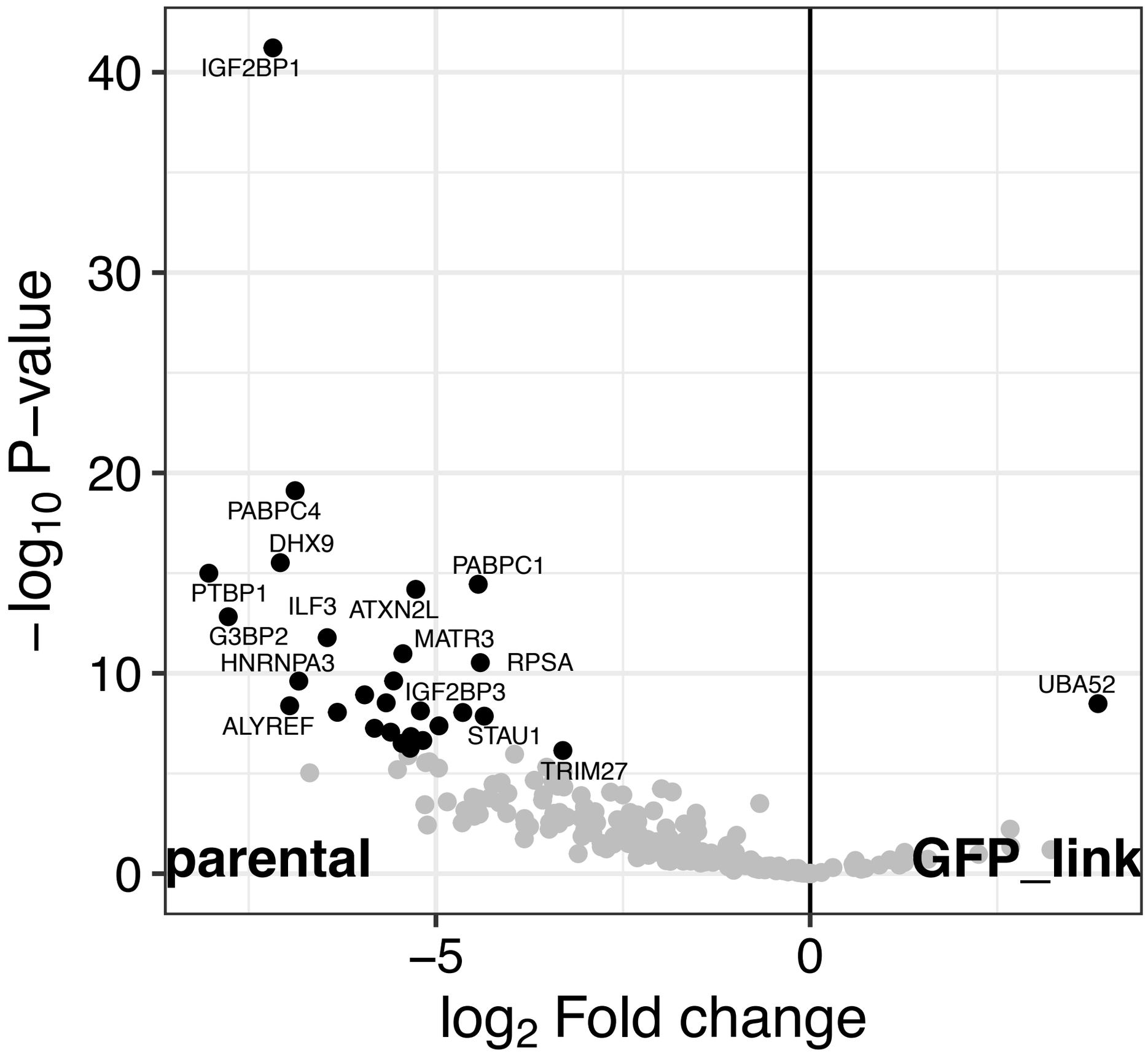



cand1s
SFig 7E top
no enrichment terms found
12
8
4
0
−log10 (p−value)
Bait
RPS8
SSBP1
−2.5
0.0
2.5
5.0
Enrichment

SFig 7E bottom



SFig 7F


IGF2BP1
PABPC4
DHX9
PABPC1
PTBP1
ILF3
ATXN2L
G3BP2
MATR3
HNRNPA3
RPSA
UBA52
IGF2BP3
ALYREF
STAU1
TRIM27
parental
GFP_link
40
30
20
10
0
−5
0
− log10 P−value
log2 Fold change